Ministry of
Natural
Resources

Ontario

ONTARIO GEOLOGICAL SURVEY

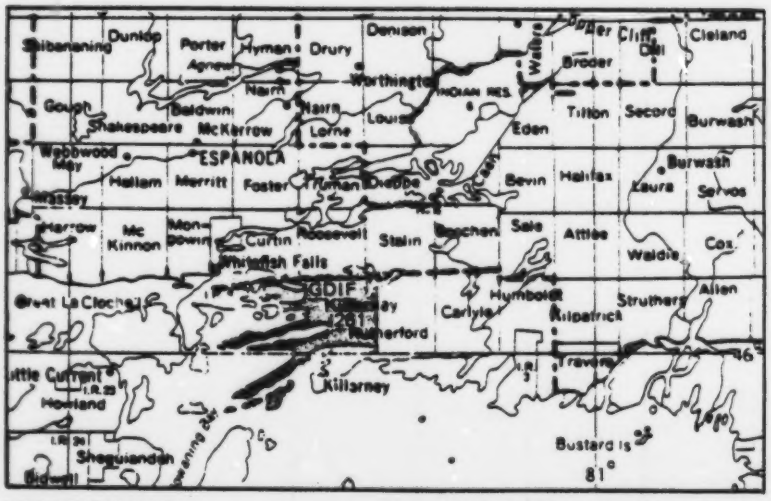
GEOLOGICAL DATA INVENTORY FOLIO

GDIF 261

KILLARNEY TOWNSHIP
(WEST PART)

DISTRICT OF SUDBURY

Compiled by the staff of
the Resident Geologist's Office
Sudbury



LOCATION MAP

Scale 1:1 013 760 or 1 inch to 16 miles

86-1426/

NTS Number 41 H/13, 41 I/3

Mining Claim Map Number M 969

STATEMENT: This inventory is unedited. Discrepancies may occur for which the Ontario Geological Survey does not assume liability. Information from this source may be quoted if credit is given. Reference to this inventory should be made as follows:

Ontario Geological Survey
1985: Killarney Township, District of Sudbury; Ontario Geological Survey, Geological Data Inventory Folio 261; Compiled by the Staff of the Resident Geologist's Office, Sudbury, 30p. and 2 maps.

Original Compilation by: MacNeil, Ronald James February 21, 1985

Date	Page Revised	Revised by

Date	Page Revised	Revised by

KILLARNEY TOWNSHIP

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ACCOMPANYING MAPS

Property Location Map 1 map

Exploration Data Map 1 map

Map Scale 1: 31 680 or 1 inch to ½ mile

CONVERSION FACTORS FOR MEASUREMENTS IN ONTARIO GEOLOGICAL SURVEY PUBLICATIONS

If the reader wishes to convert imperial units to SI (metric) units or SI units to imperial units the following multipliers should be used:

CONVERSION FROM SI TO IMPERIAL			CONVERSION FROM IMPERIAL TO SI		
SI Unit	*Multiplied by*	*Gives*	*Imperial Unit*	*Multiplied by*	*Gives*
			LENGTH		
1 mm	0.039 37	inches	1 inch	**25.4**	mm
1 cm	0.393 70	inches	1 inch	**2.54**	cm
1 m	3.280 84	feet	1 foot	**0.304 8**	m
1 m	0.049 709 7	chains	1 chain	**20.116 8**	m
1 km	0.621 371	miles (statute)	1 mile (statute)	**1.609 344**	km
			AREA		
1 cm^2	0.155 0	square inches	1 square inch	**6.451 6**	cm^2
1 m^2	10.763 9	square feet	1 square foot	**0.092 903 04**	m^2
1 km^2	0.386 10	square miles	1 square mile	**2.589 988**	km^2
1 ha	2.471 054	acres	1 acre	0.404 685 6	ha
			VOLUME		
1 cm^3	0.061 02	cubic inches	1 cubic inch	**16.387 064**	cm^3
1 m^3	35.314 7	cubic feet	1 cubic foot	0.028 316 85	m^3
1 m^3	1.308 0	cubic yards	1 cubic yard	0.764 555	m^3
			CAPACITY		
1 L	1.759 755	pints	1 pint	0.568 261	L
1 L	0.879 877	quarts	1 quart	1.136 522	L
1 L	0.219 969	gallons	1 gallon	**4.546 090**	L
			MASS		
1 g	0.035 273 96	ounces (avdp)	1 ounce (avdp)	**28.349 523**	g
1 g	0.032 150 75	ounces (troy)	1 ounce (troy)	**31.103 476 8**	g
1 kg	2.204 62	pounds (avdp)	1 pound (avdp)	**0.453 592 37**	kg
1 kg	0.001 102 3	tons (short)	1 ton (short)	**907.184 74**	kg
1 t	1.102 311	tons (short)	1 ton (short)	**0.907 184 74**	t
1 kg	0.000 984 21	tons (long)	1 ton (long)	**1016.046 908 8**	kg
1 t	0.984 206 5	tons (long)	1 ton (long)	1.016 046 908 8	t
			CONCENTRATION		
1 g/t	0.029 166 6	ounce (troy)/ ton (short)	1 ounce (troy)/ ton (short)	34.285 714 2	g/t
1 g/t	0.583 333 33	pennyweights/ ton (short)	1 pennyweight/ ton (short)	1.714 285 7	g/t

OTHER USEFUL CONVERSION FACTORS

1 ounce (troy)/ton (short)	20.0	pennyweights/ton (short)
1 pennyweight/ton (short)	0.05	ounce (troy)/ton (short)

One gram(g) per tonne is equivalent to one part per million (1 ppm).

NOTE–Conversion factors which are in bold type are exact. The conversion factors have been taken from or have been derived from factors given in the Metric Practice Guide for the Canadian Mining and Metallurgical Industries published by The Mining Association of Canada in co-operation with the Coal Association of Canada.

KILLARNEY TOWNSHIP

DATA SOURCES CHECK LIST

NOTE: The following sources have been searched to compile the data for this area. If no reference data was found the appropriate box is marked 'no'; if reference data was found, the box is marked 'yes'.

All reference data found are included in the following pages. If the box is blank, the data source has not yet been searched. If the box is marked N.A., the source item is Not Applicable to this area and therefore not searched.

	SOURCES OF DATA	Data	Initial
1	Resident Geologist's Office Files	Yes	R.M.
2	Assessment Files Research Office, Toronto	N.A.	R.M.
3	ODM General Index; 9 Volumes	Yes	R.M.
4	Catalogue of Airborne Geophysical Surveys (ODM)	No	R.M.
5	ODM Mineral Resources Circulars and OGS Mineral Deposits Circulars	Yes	R.M.
6	ODM Industrial Mineral Reports	No	R.M.
7	Bibliography of Post Precambrian Theses - Karrow (ODM MP 1)	N.A.	R.M.
8	Bibliography of Precambrian Theses - Ginn (ODM MP 2)	Yes	R.M.
9	Newspaper Clippings File	No	R.M.
10	GSC Index to Publications	Yes	R.M.
11	OGS Index to Published Maps and Reports - MP 77 and Supplements to MP 77	Yes	R.M.
12	OGS Index Maps	Yes	R.M.
13	Source Mineral Deposit Records (O.G.S.) Mineral Occurrences File	Yes	R.M.
14	Author - Subject Articles File	Yes	R.M.
15	Miscellaneous Papers: ODM & OGS	Yes	R.M.
16	ODM Geological Circulars: OGS Study Series	Yes	R.M.
17	ODM Preliminary Reports: ODM Bulletins	No	R.M.
18	ODM – OGS Open File Reports	Yes	R.M.
19	OGS Northern Ontario Engineering Geology Terrain Studies	Yes	R.M.
20	OGS Aggregate Resources Inventory Papers	No	R.M.
21	OGS Mineral Potential Maps	Yes	R.M.
22	Theses on File, Sudbury	Yes	R.M.
23	Aerial Photographs on File Sudbury	Yes	R.M.

METALS AND MINERALS REFERENCES LIST

- Δ anh. . . . . Anhydrite
- Δ ank. . . . . Ankerite
- Δ anna . . . . . Annabergite
- Δ ap. . . . . Apatite
- Δ arg . . . . . Argentite
- Δ As . . . . . Arsenic
- Δ asp . . . . . Arsenopyrite
- Δ asb . . . . . Asbestos
- Δ ba. . . . . Barite
- Δ be. . . . . Beryl
- Δ Bi. . . . . Bismuth
- Δ bn . . . . . Bornite
- Δ bran . . . . . Brannerite
- Δ bruc . . . . . Brucite
- Δ Cd . . . . . Cadmium
- Δ calc. . . . . Calcite
- Δ carb . . . . . Carbonate
- Δ cel . . . . . Celestite
- Δ cc. . . . . Chalcocite
- Δ cp. . . . . Chalcopyrite
- Δ ch. . . . . Chert
- Δ clay . . . . . Clay
- Δ Co . . . . . Cobalt
- Δ cob. . . . . Cobaltite
- Δ cb. . . . . Columbite
- Δ Cu . . . . . Copper
- Δ cor . . . . . Corundum
- Δ dol . . . . . Dolomite
- Δ ep. . . . . Epidote
- Δ ery . . . . . Erythrite
- Δ fel . . . . . Feldspar
- Δ fl . . . . . Fluorite (flurospar)
- Δ fu. . . . . Fuchsite
- Δ gn. . . . . Galena
- Δ gt. . . . . Garnet
- Δ goe . . . . . Goethite
- Δ Au . . . . . Gold
- Δ gf. . . . . Graphite
- Δ gl . . . . . Gravel
- Δ gyp. . . . . Gypsum
- Δ hem . . . . . Hematite
- Δ il . . . . . Ilmenite
- Δ Fe . . . . . Iron
- Δ IF. . . . . Iron Formation
- Δ jas . . . . . Jasper
- Δ kaol . . . . . Kaolinite (kaolin)
- Δ ky . . . . . Kyanite
- Δ Pb . . . . . Lead
- Δ lim . . . . . Limonite
- Δ Li. . . . . Lithium
- Δ mgst . . . . . Magnesite
- Δ mag . . . . . Magnetite
- Δ mc . . . . . Malachite
- Δ Mn . . . . . Manganese
- Δ mb . . . . . Marble
- Δ mar. . . . . Marcasite
- Δ ma . . . . . Marl
- Δ mi . . . . . Mica
- Δ ml . . . . . Millerite
- Δ mo . . . . . Molybdenite
- Δ Mo . . . . . Molybdenum
- Δ mon . . . . . Monazite
- Δ ne. . . . . Nephelite (nepheline)
- Δ nc. . . . . Niccolite
- Δ Ni. . . . . Nickel
- Δ Nb . . . . . Niobium
- Δ Pd . . . . . Palladium
- Δ peat . . . . . Peat
- Δ pent . . . . . Pentlandite
- Δ Pt. . . . . Platinum
- Δ py . . . . . Pyrite
- Δ pyl . . . . . Pyrochlore
- Δ pyrl . . . . . Pyrolusite
- Δ po . . . . . Pyrrhotite
- ▲ q . . . . . Quartz
- Δ qcv . . . . . Quartz carbonate vein
- Δ ra. . . . . Radioactive minerals
- Δ RE . . . . . Rare Earths
- Δ sd. . . . . Sand
- Δ sgl . . . . . Sand and gravel
- Δ ss. . . . . Sandstone
- Δ scap . . . . . Scapolite
- Δ shee . . . . . Scheelite
- Δ serp . . . . . Serpentine
- Δ sh. . . . . Shale
- Δ sid . . . . . Siderite
- ▲ si . . . . . Silica
- Δ Ag . . . . . Silver
- Δ sl . . . . . Slate
- Δ sm . . . . . Smaltite
- Δ sod. . . . . Sodalite
- Δ spec . . . . . Specularite
- Δ sp. . . . . Sphalerite
- Δ spd . . . . . Spodumene
- Δ staur . . . . . Staurolite
- Δ stib. . . . . Stibnite
- Δ st . . . . . Stone
- Δ talc. . . . . Talc
- Δ Te . . . . . Tellurium
- Δ td. . . . . Tetrahedrite
- Δ th. . . . . Thorite
- Δ Th . . . . . Thorium
- Δ thuc . . . . . Thucholite
- Δ ti . . . . . Titanite
- Δ Ti. . . . . Titanium
- Δ tour . . . . . Tourmaline
- Δ trap . . . . . Trap rock
- Δ W. . . . . Tungsten
- Δ uran . . . . . Uraninite
- Δ U . . . . . Uranium
- Δ verm . . . . . Vermiculite
- Δ Y . . . . . Yttrium
- Δ Zn . . . . . Zinc
- Δ zr. . . . . Zircon

Solid triangles indicate metal and mineral occurrences shown on the accompanying maps.

KILLARNEY TOWNSHIP

MINERAL OCCURRENCES

Map Ref. Letter	Name(s)	Mineralization	Source Mineral Deposit Record	References in OGS Mineral Deposits Circulars & OGS Industrial Mineral Reports	Additional References and/or Remarks
A	Indusmin Ltd. Badgeley Quarry	si	Si 1	IMR9, p.12	GR12
B	Indusmin Ltd. Badgeley Quarry	si	Si 1	-	GR138, p.53

GDIF FORM NO. 1

TYPE OF WORK		Numbers below represent the year in which the work was done: e.g., 68 for 1968.																		
EXPLORATION DATA filed at the RESIDENT GEOLOGIST'S OFFICE SUDBURY COMPANY/AUTHOR (file number)		GEOLOGICAL	GEOCHEMICAL	TRENCHING, STRIPPING	DRILLING	ASSAY DATA	UNDERGROUND WORK	PROSPECTUS, NOTES, CORRESPONDENCE	AIRBORNE MAGNETOMETER	AIRBORNE ELECTROMAGNETIC	AIRBORNE RADIOMETRIC	GROUND MAGNETOMETER	GROUND ELECTROMAGNETIC	GROUND RADIOMETRIC	INDUCED POLARIZATON	SELF POTENTIAL	RESISTIVITY	QUARRYING		
1	Indusmin Ltd. (Union Carbide Canada Ltd., Electro Metallurgical Company Ltd., Dominion Mines and Quarries Ltd., Electro Metals Ltd., A. B. Wilmott and Company Ltd.)				67 68 83													11[1] -71 71[2] -85		

[1] Killarney Quarry

[2] Badgeley Island Quarry

GDIF FORM NO. 2

KILLARNEY TOWNSHIP

DRILLHOLE SUMMARY

Map Drilling Location Number	Company Name	Company Drillhole Number	Date Drilled	Bearing Azimuth Degrees	Initial Dip of Hole Degrees	Thickness of Overburden Feet	Total Length of Hole Feet	Mineralization Noted in Log	Assay Data Included for
1	Indusmin Ltd.	12E-S	1967	N12W	30	-	401	q	-
2		6E-S	1967	-	90	-	386	q	-
2a		8E-S	1967	N20W	30	-	479	q	-
2b		10E-S	1967	-	90	-	325	q	-
3		13W-S	1967	N20W	30	-	501	q	-
4		1E-N	1967	S20E	30	-	468	q	-
4a		0+00	1967	S20E	30	-	675	q	-
4b		2W-NV	1967	-	90	-	261	q	-
4c		2W-N	1967	S20E	30	-	590	q	-
5		5W-N	1967	S20E	30	-	423	q	-
5a		6W-N	1967	S20E	30	-	591	q	-
5b		7W-N	1967	S17E	30	-	358	q	-
5c		8W-N	1967	S20E	30	-	587	q	-
5d		10W-N	1967	S20E	30	-	483	q	-
6		2E-N	1967	-	90	-	300	q	-
6a		3E-N	1967	S20E	30	-	397	q	-
6b		4E-N	1967	S20E	30	-	594	q	-
7		5E-N	1967	S20E	30	-	396	q	-
7a		7E-N	1967	S20E	30	-	440	q	-
8		1W-S	1968	N08W	30	-	362	q	-
9		6W-S	1968	N08W	30	-	397	q	-
10		BP-4	1968	0	45	-	582	q	-
11		BP-5	1968	0	45	-	582	q	-
12		A-1	1983	N40W	28	-	500	q	-
12a		A-2	1983	N35E	30	-	351	q	-
12b		A-3	1983	N53E	28	-	402	q	-
12c		A-4	1983	S45W	34	-	200	q	-
12d		B-1	1983	S46W	31	-	477	q	-
13		B-2	1983	S44W	31	-	251	q	-
13a		B-3	1983	S42W	33	-	250	q	-

GDIF FORM NO. 3

AIRBORNE GEOPHYSICAL SURVEY DATA

No.	By For	Type of Survey	Flight Altitude	Flight Line Direction	Flight Line Spacing

GDIF FORM NO. 4

KILLARNEY TOWNSHIP

Map Sample Site Reference Number	GEOCHEMICAL SURVEY DATA		By	Reference
	Type of Survey	Analysis For		

GDIF FORM NO. 5

MISCELLANEOUS DATA

AGE DATING

Site	Method	Material	Reference	Result

NEWSPAPER CLIPPINGS FILE

NOTE: A file of newspaper clippings about the companies listed below, who have worked in this area, is maintained in the Regional/Resident Geologist's Office.

ODM GENERAL INDEX SEARCH

Words searched:

AMERICAN NEPHELINE
BADGELEY ISLAND
BAR RIVER FORMATION
BRUCE FORMATION
CABIN RIDGE NEPHELINE
CENTRE ISLAND
ESPANOLA FORMATION
GORDON FORMATION
GOWGANDA FORMATION
HEYWOOD ISLAND
HOUGH LAKE FORMATION
HURONIAN SUPERGROUP

Index Volume	Listing:	Report Volume	Part	Page
4	AMERICAN NEPHELINE CORP.			
	see also American Nepheline Ltd.			
	capital; officers; operations:			
	(1940)	50	1	154
	(1941)	51	1	223
	(1942)	52	1	215
	(1943)	53	1	182
	(1944)	54	1	107
4	AMERICAN NEPHELINE LTD.			
	see also American Nepheline Corp			
	capital; officers; operations:			
	(1945)	55	2	
	(1946)	55	2	88.89
	(1947)	56	2	36,99
	(1948)	57	2	100,101
	(1949)	58	2	88,89
	Incorporated	59	2	87
	Profit tax	55	1	55
		59	1	49
5	AMERICAN NEPHELINE LTD.			
	see also American Nepheline Corp.			
	capital; officers, operations:			
	(1950)	60	2	85
	(1951)	61	2	87
	(1952)	62	2	92
	(1953)	63	2	113
	(1954)	64	2	106
	Profit tax (1950)	60	1	49
	(1951)	61	1	51
6	AMERICAN NEPHELINE LTD.			
	capital, officers, operations:			
	(1955)	65	2	106
	(1956)	66	2	105
	(1957)	67	2	110
	(1958)	68	2	78
	(1959)	69	2	77
	Quarries	69	8	16,19
	see also Cabin Ridge qy.			
8	BADGELEY ISLAND			
	Badgeley Pt., area, Manitoulin Dist.	MP17		17
		MP22		87,40
		MP53		163

FORM NO. 8

ODM GENERAL INDEX SEARCH

Words searched:

INDUSMIN
INDUSTRIAL MINERALS OF CANADA
KILLARNEY
LORRAIN FORMATION
MISSISSAGI FORMATION
UNION CARBIDE
WILLMOTT

Index Volume	Listing:	Report Volume	Part	Page
9	BADGELEY ISLAND			
	Badgeley Pt. area, Manitoulin Dist.	GR138		32,33,
		GR166		50,53,
				113,127,
				211
9	BADGELEY ISLAND QUARRY			
	Badgeley Pt. area, Manitoulin Dist.			
	report on property	GR138		49
9	BADGELEY POINT			
	I.R. No.4 area, Manitoulin Dist.	GR166		106,181,
				211
8	BADGELEY POINT AREA, Manitoulin Dist.			
	silica	MP17		79
		MP22		37
		MP24		30
9	BADGELEY ROCKS			
	Badgeley Pt. area, Manitoulin Dist.	GR138		20
8	BAR RIVER FORMATION			
	L. Huron (N. shore), Algoma, Sudbury and Manitoulin Dist.	GB4		34-35
4	BRUCE Formation			
	Correlation	50	6	3,7
	lithology and thickness	50	6	4
8	BRUCE FORMATION			
	L. Huron (N. shore), Algoma, Sudbury and Manitoulin Dist.	GB4		22-23
9	BRUCE FORMATION			
	analyses, chem.			
	Sudbury-Espanola-Manitoulin area			
	Sudbury & Manitoulin Dist.	GR131		8
		GR166		80
		S-16		43
	analyses, modal			
	Sudbury-Espanola-Manitoulin area	GR131		
	Sudbury & Manitoulin area	GR139		23
		GR166		79
		S-16		54

ODM GENERAL INDEX SEARCH

Words searched:

Index Volume	Listing:	Report Volume	Part	Page
9	BRUCE FORMATION			
	analyses, paleocurrent			
	Sudbury-Manitoulin area,			
	Sudbury and Manitoulin Dist.	GR131		31
		GR166		122
	analyses, trace elements			
	Sudbury-Espanola-Manitoulin area	GR131		13,16
	Sudbury and Manitoulin Dist.	GR136		53,56
		GR138		10
		GR139		26-27
		GR166		74-81
		S-16		2-55, 89
2	BRUCE SERIES			
	Northern Ont.	31	2	350
3	BRUCE SERIES			
	N. shore of L. Huron	38	7	6
6	CABIN RIDGE NEPHELINE QUARRY CORP.			
	Operations (1955)	65	2	106
	(1956)	66	2	105
	(1957)	67	2	110
	(1958)	68	2	78
	(1959)	69	2	78
	Photos	67	8	17,19
8	CENTRE ISLAND			
	Badgeley Pt. area, Manitoulin Dist.	MP22		40
9	CENTRE ISLAND			
	Badgeley Pt. area, Manitoulin Dist.	GR138		22,42, 55
3	ESPANOLA FORMATION			
	N. shore of L. Huron	38	7	6
4	ESPANOLA FORMATION			
	Contacts	50	6	15,16
	Correlation	50	6	3,7
	Lithology and thickness	50	6	4

GDIF FORM NO. 8

ODM GENERAL INDEX SEARCH

Words searched:

Index Volume	Listing:	Report Volume	Part	Page
8	ESPANOLA FORMATION L. Huron (N. shore), Algoma, Sudbury & Manitoulin Dist.	GB4		27
9	ESPANOLA FORMATION analyses, chem. Sudbury-Manitoulin area, Sudbury & Manitoulin Dist.	GR131 GR138 GR166 S-16		8,14,15 11 80,87 59,60
	analyses, modal Sudbury-Espanola area, Sudbury & Manitoulin Dist.	GR131 GR138 GR166		31 23-25 122
	lithology Sudbury-Espanola area, Sudbury & Manitoulin Dist.	GR131 GR136 GR138 GR166 S-16		16-19 56-59 10-13 81-89 55-59 89-90 passim
	photo McGregor Bay-Bay of Islands area Sudbury & Manitoulin Dist.	GR138		12,40, 44
9	GORDON LAKE FORMATION analyses, chem. Sudbury-Manitoulin-Espanola area Sudbury & Manitoulin Dist.	GR131 GR166 S-16		8-14-15 105 74
	analyses, modal Sudbury-Manitoulin area, Sudbury & Manitoulin Dist.	GR131 GR166 S-16		 114,116 75
	analyses, paleocurrent Sudbury-Manitoulin area, Sudbury & Manitoulin Dist.	GR138 GR166		24,25 122

ODM GENERAL INDEX SEARCH

Words searched:

Index Volume	Listing:	Report Volume	Part	Page
9	GORDON LAKE FORMATION			
	lithology			
	Sudbury-Manitoulin-Espanola area, Sudbury & Manitoulin Dist.	GR131 GR138 GR166 S-16		29,30 20,22 113,116 72,76 91-92
8	GORDON LAKE FORMATION			
	L. Huron (N. shore), Algoma, Sudbury & Manitoulin Dist.	GB4		34
2	GOWGANDA FORMATION			
	Age and composition	31	2	350
3	GOWGANDA FORMATION			
	L. Huron, N. shore of	38	7	7,14,16
8	GOWGANDA FORMATION			
	L. Huron (N. shore), Sudbury & Manitoulin Dist.	GB4		29-31
9	GOWGANDA FORMATION			
	Sudbury-Manitoulin-Espanola area, Sudbury & Manitoulin Dist.	GR131 GR166 S-16		8,14,15 105 69
	analyses, magnetic			
	Sudbury-Manitoulin-Espanola area Sudbury & Manitoulin Dist.	GR131 GR138 GR166		31 24,25 121,122
	lithology			
	Sudbury-Manitoulin-Espanola area, Sudbury & Manitoulin Dist.	GR131 GR166 S-16		22-27 14-17 93-105 63,69,88 passim
	photo			
	McGregor Bay-Bay of Islands area Sudbury & Manitoulin Dist.	GR138		16

GUIF FORM NO. 8

ODM GENERAL INDEX SEARCH

Words searched:

Index Volume	Listing:	Report Volume	Part	Page
1	HEYWOOD ISLAND			
	Badgeley Pt. area, Manitoulin Dist.	GR138		17,20,22
				33,35
		GR166		106,113
9	HOUGH LAKE GROUP			
	analyses, chem.			
	Sudbury-Espanola area, Sudbury &	GR131		8
	Manitoulin Dist.	GR166		67
		S-16		43,46
	analyses, modal			
	Sudbury-Espanola-Manitoulin area,	GR131		9
	Sudbury & Manitoulin Dist.	GR139		23
		GR166		61,66,
				71,72
		S-16		42,45,
				50,51
	analyses, paleocurrent			
	McGregor Bay-Bay of Islands area	GR138		24,25
	Sudbury & Manitoulin Dist.			
	analyses, trace elem.			
	Sudbury-Espanola area	GR166		67
	Sudbury & Manitoulin Dist.	S-16		46
	lithology			
	Sudbury-Espanola-Manitoulin area,	GR131		10-12
	Sudbury & Manitoulin Dist.	GR136		39-53
		GR138		9
		GR139		22-26
		GR166		24-59
		S-16		3,41,52
9	HURONIAN ROCKS			
	analyses, paleocurrent			
	Sudbury-Manitoulin-Espanola area,	GR131		31,32
	Sudbury & Manitoulin Dist.	GR138		23,26
		GR166		121-123

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GDI FORM NO. 8

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SELECTED REFERENCES

Author	Date	Title	Reference	Map Scales and/or Report Pages
		REGIONAL GEOLOGICAL COMPILATION MAPS		
Card, K. D.	1975	Badgeley Point	O.D.M. Map No.2318	1"=½ mile
	1968	Frazer Bay Sheet (West Half)	O.D.M. Map No.499	1"=¼ mile
	1968	Frazer Bay Sheet (East Half)	O.D.M. Map No.500	1"=¼ mile
	1975	McGregor Bay N. Channel of L. Huron	O.D.M. Map No.2317	1"=¼ mile
	1967	McGregor Bay Sheet (East Half)	O.D.M. Map P.443	1"=¼ mile
	1971	Panacche Lake area (West Part)	O.D.M. Map P.668	1"=1 mile
	1971	Panache Lake area (East Part)	O.D.M. Map P.669	1"=1 mile
Card, K. D., Lumbers, S. B.	1977	Sudbury-Cobalt	G.S.C. Map 2361	1"=4 miles
Liberty, B. A.	1957	Little Current Area	O.D.M. Map No.2347	1"= 1 mile
		GEOPHYSICAL MAPS		
O.D.M.-G.S.C.	1965	Aeromagnetic Lake Panache Ontario	Map 1516G	1"=1 mile
O.D.M.-G.S.C.	1976	Uranium Reconnaissance Program. Airborne Gamma Ray Spectrometer Survey, Sudbury, Ontario	O.G.S. Map 1610	1:250,000

GDIF FORM NO.9

SELECTED REFERENCES

Author	Date	Title	Reference	Map Scales and/or Report Pages
		SURFICIAL, PLEISTOCENE, TERRAIN ENGINEERING		
		Topographic Maps		
Army Survey Establishment, R.C.E.	1964	Lake Panache		1:50,000
Department of Energy, Surveys and Mapping	1978	Lake Panache		1:50,000
	1978	Whitefish Falls		1:50,000
Department of National Defence	1956	Lake Panache		1:50,000
Gartner, J. F.	1978	N.O.E.G.T. Study 99 Base Map Espanola	O.G.S. Map 5002	1"=100,000
		MINERAL POTENTIAL MAPS		
Springer, J.	1977	Northern Part of Sudbury Sheet and Part of North Ray Sheet	O.G.S. Map P.1512	1:250,000
	1977	Southern Part of the Sudbury Sheet	O.G.S. Map P.1511	1:250,000
		GEOCHEMICAL		
		No data available as of Feb.15, 1985.		

GDIF FORM NO.9

SELECTED REFERENCES

Author	Date	Title	Reference	Map Scales and/or Report Pages
		GEOLOGICAL REPORTS AND MAPS		
Card, K. D.	1975	Geology of the Panache Lake Area Districts of Sudbury and Manitoulin	O.G.S. OFR5123 O.D.M. Map 6460	1"=1 mile
	1976	McGregor Bay-Bay of Islands	GR138, Map 2316 GR138, Map 2317 GR138, Map 2318	1"=½ mile 1"=½ mile 1"=½ mile
	1978	Sudbury-Manitoulin	O.G.S. GR166 Map 2360	1"=2 miles
Card, K. D., Innes, D. G. and Debicki, R. L.	1974	Stratigraphy, Sedimentology, Huronian Supergroup of the Sudbury-Espanola Area, Ontario	OFR 5107	
Hewitt, D. F.	1963	Silica in Ontario	IMR2 IMR9	
		JOURNAL ARTICLES, THESES, TECHNICAL REPORTS		
Coleman, A. P.	1914	The Pre-Cambrian Rocks North of Lake Huron	AR Vo.23 (14), p.204-206	
Robertson, J. A., Card, K. D. and Frarey, M. T.	1968	The Federal-Provincial Committee on Huronian Stratigraphy Progress Report	MP31	
Jones, W. A.	1930	1) Petrography of the rocks in the vicinity of Killaeney, Ontario 2) Killarney gneisses and xenoliths at Sudbury Ph.D. U.T.	MP2	

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Author	Date	Title	Reference	Map Scales and/or Report Pages
Long, D. G. F.	1977	Depositional environments of a thick Proterozoic sandstone: the (Huronian) Mississagi Formation of Ontario, Canada	Can. J. Earth Sci., Vol.15	p.190-206
McLennan, S. M., Fryer, N. J., Young, G. M.	1979	The Geochemistry of the Carbonate-rich Espanola Formation (Huronian) with emphasis on rare earth elements	Can. J. Earth Sci., Vol.16	p.230-239
Quirke, T. T.	1915	Geology of Espanola District, Ontario, Canada; Ph.D., U.C.	MP2	
Roscoe, S. M.	1969	Huronian Rocks and uraniferous conglomerate in the Canadian Shield	G.S.C. 68-40	
Young, G. M.	1981	Diamictites of the Early Proterozoic Ramsay Lake and Bruce Formation, north shore of Lake Huron, Ontario, Canada	Earth's Pre-Pleistocene Glacial Record Cambridge University, Press	p.813-816
Young, G. M.	1981	The Early Proterozoic Gowganda Formation, Ontario, Canada	Earth & Pleistocene Glacial Record, Cambridge University Press	p.807-812
	1974	Photogrametric Survey of the Structural Geology of the Sudbury-McGregor Bay District, Ontario, Canada; A Discussion	Geol. Report Vol.63 (2)	p.786-788
	1973	Origin of Carbonate-Rich Early Proterozoic Espanola Formation, Ontario, Canada	G.S.A. Bull. Vol.84	p.135-160

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SELECTED REFERENCES

Author	Date	Title	Reference	Map Scales and/or Report Pages
Vos, M. A.	1978	Silica in Ontario Supplement	OFR5236	
Vos, M. A., Smith, B. A. and Stevenato, R. J.	1981	Industrial Minerals of the Sudbury Area	OFR5329	
Wright, J. D.	1935	The Age of Some Granite Batholiths North of Lake Huron and the Genetic Relations of the Arsenical Gold Ores to the Keweenawan Granites. Ph.D. U.T.	MP2	

NOTES AND ADDENDA

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Scale 1"= 4 miles

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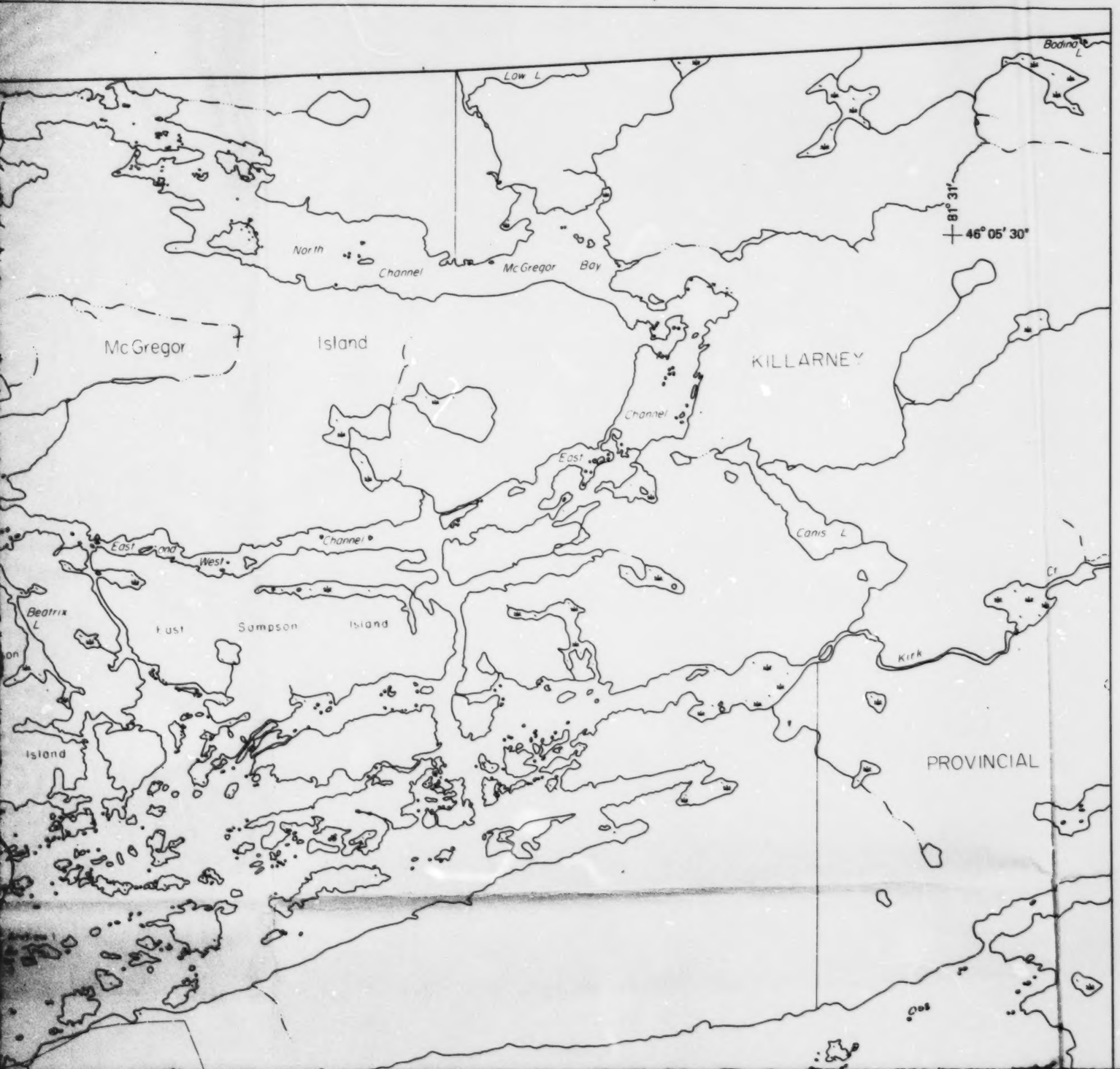
1959	22	4605	25-50
	22	4604	95-122
	2	4603	108-142
	2	4602	40-8'
	1	4601	120-140

Low L
Lunge
Bay
North
Channel
McGregor
Mc Gregor
Island
Burnt
Island
East
and
West
Channel
Middle
Beatrix
L
East
Sampson
Island
Sampson
Island
Andrew I
Mc Gregor
Bay
of
North Channel of Lake Huron



Ministry of Natural Resources

Ontario

ONTARIO GEOLOGICAL SURVEY

PROPERTY LOCATION MAP

GEOLOGICAL DATA INVENTORY FOLIO 261

(Map **1** of **2**)

KILLARNEY TOWNSHIP (WEST PART)

DISTRICT OF SUDBURY

Scale 1:31 680

Mile 0.5 0 0.5 1 Mile

Kilometre 0.5 0 0.5 1 Kilometre

GUIDE 261

Island

Andrew I.

McGregor Bay
of
North Channel of Lake Huron

Baie Fine

McGregor Point

1

Frazer Point

Frazer B.

Quartz Rocks

Deepwater
I.

Island

Andrew I

PROVINCIAL

Baie Fine

PARK

Portage Cove

Badgely I.

Killarney

Rocks

EXPLORATION DATA FILE AREAS

Reference number is always inside work area outlined.
See listing in text pages.

Small area of exploration.

North Channel

of

Lake Huron

Frazer B.

Quartz Rocks

Deepwater

Badge

Limestone Pt

Mayes Pt

Devils Bay

Snug Harbour

Lansdowne

Gibson Pt

Hole in the Wall Channel

Boyle Cove

Richards Rk

Creek

81° 42'

45° 56' 30"

Centre Island

Partridge Island

Harris I.

Underhill Pt

Island

Kokanongwi I.

High Beach Cove

Evans Point

High Beach

Georgia

Boaster.

Killarney

ocks

dge

Abandoned

1

1

1

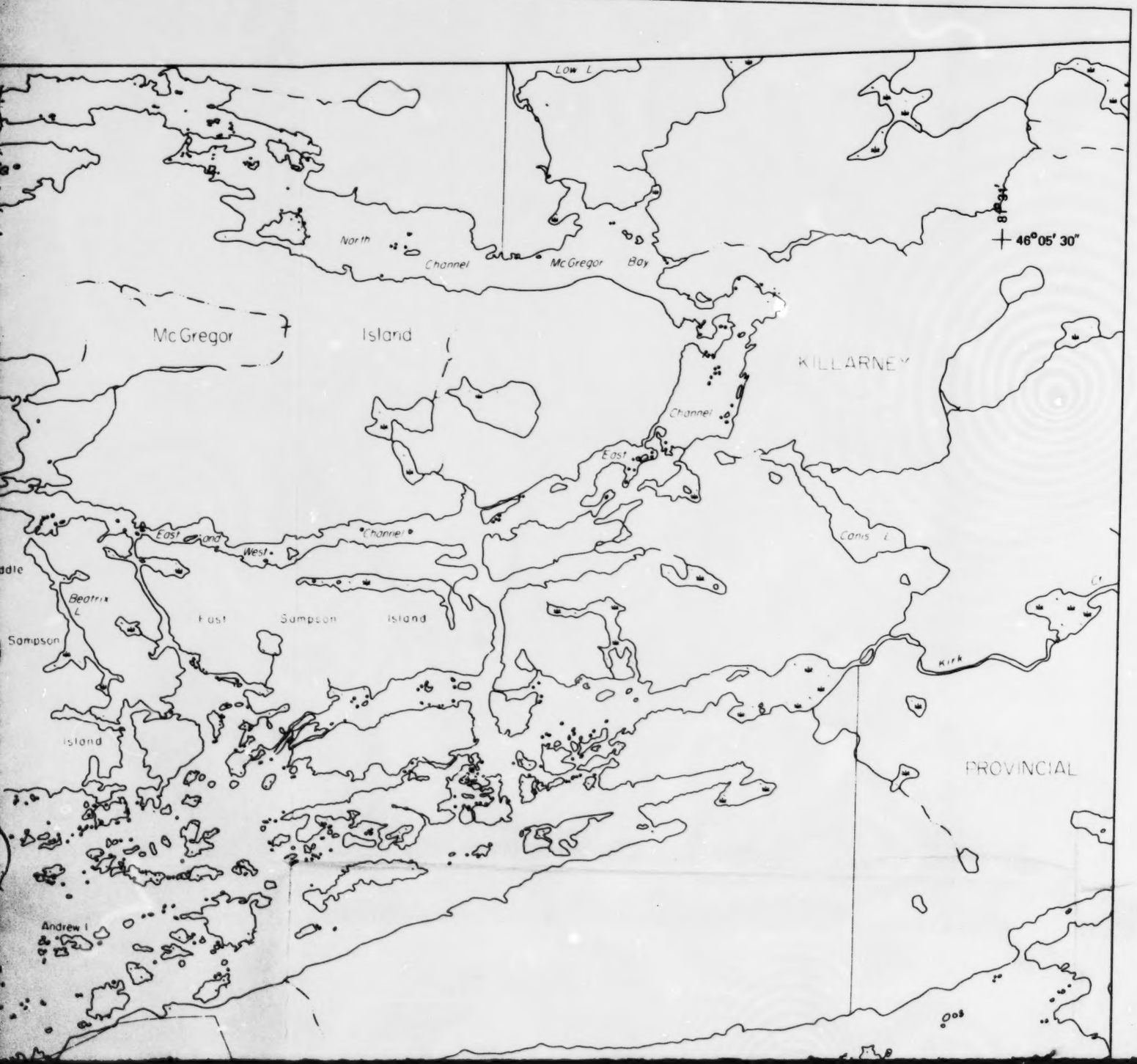
Istar

Kokanongw

Georgian Bay

GLEN KEI

McGregor Bay
of
North Channel of Lake Huron



Ministry of Natural Resources

Ontario

ONTARIO GEOLOGICAL SURVEY

EXPLORATION DATA MAP

GEOLOGICAL DATA INVENTORY FOLIO 261

(Map 2 of 2)

KILLARNEY TOWNSHIP (WEST PART)

DISTRICT OF SUDBURY

Scale 1:31 680

Mile 0.5 0 0.5 1 Mile

Kilometre 0.5 0 0.5 1 Kilometre

GEOLOGICAL AND MINING SYMBOLS

TYPES OF DATA SHOWN ON THIS MAP

MINERAL OCCURRENCES

- Mineral occurrence at surface, with reference letter
- Mineral occurrence with shaft, depth given with reference letter
- Mineral occurrence reported but exact location uncertain, with reference letter
- Mineralized Float with reference letter

Mc Gregor Bay
of
North Channel of Lake Huron

Mc Gregor Point

Frazer Point

12

13

Frazer Bay

Hay Portage

Portage Cove

Deepwater

Quartz Rocks

Bay

TYPES OF DATA SHOWN ON THIS MAP

MINERAL OCCURRENCES

- ☒ cp A. — Mineral occurrence at surface, with reference letter
- ☐ Au A. 84' — Mineral occurrence with shaft, depth given with reference letter
- ☐ Ag ? A. — Mineral occurrence reported but exact location uncertain, with reference letter
- ☐ cp A. — Mineralized Float with reference letter

DRILL HOLES

- ☒ ●² — Location of single drill hole, with reference number
- ☒ ◉² — Location of closely spaced group of drill holes, with reference number
- ☐ (?)² — Drill hole, exact location uncertain, with reference number.
- ☐ ◡² — Property with underground drill holes in this general area, with reference number
- ☐ ○² — Property with drill holes which have not been plotted on map, with reference number
- ☐ ⊕² — Reverse Circulation Drill Hole; Churn drilling, with reference number

GEOCHEMICAL AND GEOCHRONOLOGICAL DATA

- ☐ ◆³ — Geochemical sample site, with reference number
- ☐ ◆³ — Area of geochemical sampling, with reference number
- ☐ ✳² — Age dating material sampling site, with reference number
- ☐ GC — Geochemical Anomaly

GEOPHYSICAL ANOMALIES

- ☐ AM — Airborne Magnetometer Anomaly
- ☐ — Airborne Electromagnetometer Anomaly Length of anomaly along flight line
- ☐ — Airborne Electromagnetometer Anomaly. Location of anomaly along flight line
- ☐ — Airborne Electromagnetometer Anomaly Conductor Axis: definite, probable, possible
- ☐ ARA — Airborne Radiometric Anomaly

North Channel

of

Lake Huron

Frazer Bay

Mayes Pt

Devils Bay

Snug Harbour

Gibson Pt

Hole in the Wall Channel

Boyle Cove

Richards Rk

Creak I

81°42'

45°56' 30"

Centre Island

Partridge Island

Deepwater

Maxwell Pt

Twin Is

Badgeley

Sedgeley Quarry

Badgeley Rocks

Harris

Evans Point

Kakamongaw

Age dating material sampling site, with reference number

GC — Geochemical Anomaly

GEOPHYSICAL ANOMALIES

AM — Airborne Magnetometer Anomaly

Airborne Electromagnetometer Anomaly
Length of anomaly along flight line

Airborne Electromagnetometer Anomaly.
Location of anomaly along flight line

Airborne Electromagnetometer Anomaly
Conductor Axis: definite, probable, possible

ARA — Airborne Radiometric Anomaly

M — Ground Magnetometer Anomaly

VL — Ground Electromagnetometer Anomaly
(VL - Vertical Loop; HL - Horizontal Loop;
VLF - Very low freq; Turam; JEM -
Crone EM - 16)

RA — Ground Radiometric Anomaly

IP — Induced Polarization Anomaly

SP — Self Potential Anomaly

AFMAG — Audio-frequency magnetometer anomaly
(total intensity)

R — Resistivity Anomaly

GR — Gravity Anomaly

Radiometric Site

MISCELLANEOUS DATA

Trenching, pit

Rock quarry

Adit

Sand and/or gravel pit

Open pit

6 — Multiple Pits

NOTE: Consult the text that accompanies this map for pertinent lists of data, references, and abbreviations.